

AD-A212 551

1

DATE July 27, 1989

TO: Information Services Branch

FROM: Computer Products Support Group

FC
(Init)

KT
(Init)

LA
(Init)

RE:

DOD/SW/MT-89/024
(REPORT NO.)

ANNOUNCE IN GRA 6 I

PRIORITY ACTION IS REQUIRED

Attached

☒ Form NTIS 231

☒ Form 277/FCPC-01

☒ NTIS 79

☐ RDP (CF 272)

☐ Consigned Inventory Acquisition
Form (Interagency Agreement
Number and Split)

Process for:

☐ Documentation

☐ Mag Tape

K File
(Data)

☐ Diskette

☐ Documentation

H File
(Software)

☒ Mag Tape

☐ Diskette

DTIC
ELECTE
S AUG 22 1989 D
D CS

Special

☒ Defense Sponsored: Acquire ADA Number

☐ Order Pending. Return immediately after
copying necessary pages.

☐ Forward processing pages for documentation to Document Control Section.

☐ Subscription request _____ copies

☐ Shelf Stock request _____ copies

☐ Regular Processing. Do not send to Document Control Section.

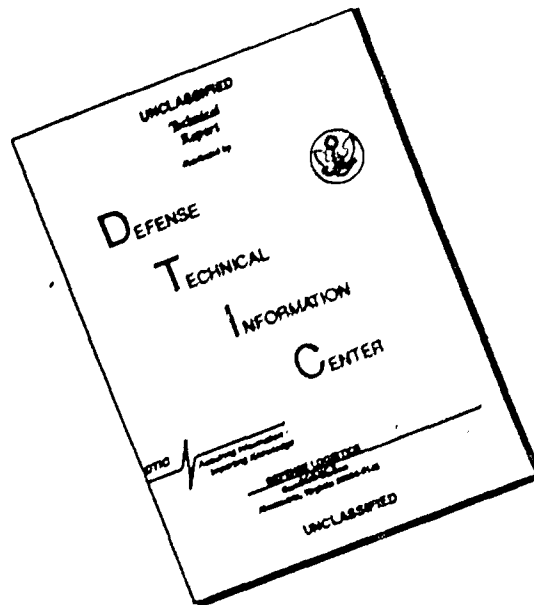
Remarks:

Highlight

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NTIS COMPUTER PRODUCT
CATALOG DATA

ACCESSION NO.

AGENCY REPORT NO.

89-0224

4. PRODUCT

DATA FILE

PUBLICATION

DATA BASE REFERENCE SERVICE

SOFTWARE

MODEL, SIMULATION

5. AGENCY, BUREAU, DIVISION, AND ADDRESS

ASD/SCCL
ACVC Maintenance Organization
Bldg 676
Wright-Patterson AFB, Ohio 45433-6503

6. PRODUCT NAME (Use agency nomenclature)

Ada Compiler Validation Capability (ACVC) Version 1.11 (Field-Test Release), BACKUP

7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.)

*Software,

The ACVC is a suite of tests designed to test an Ada Compiler's conformance to MIL-STD-1815A

8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.)

June 1989 Version 1.11 (Draft)

9. FILE SIZE IN NO. OF:

REELS

PUNCHED
CARDS

10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)

*See also: AD-A188489

11. PRICE INFORMATION

(\$1,000 Domestic)
Price code: T99 (\$2,000 Foreign)

Price includes documentation:

12. GEOGRAPHIC SCOPE

The ACVC is unclassified U.S. Software Technology. It should be distributed to domestic and foreign requesters according to U.S. Department of Commerce Regulations.

13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)

NAME

TITLE

PHONE NO.

Steven P. Wilson

AMO Technical Director

(513) 255-4472

14. DOCUMENTATION

EXPECTED AVAILABILITY DATE

AVAILABLE as:

The Ada Compiler Validation (ACVC) is a suite of tests designed to determine an Ada compiler's conformance to MIL-STD-1815A the Ada Language Reference Manual (ALRM). A new official version of the ACVC is released regularly - currently an 18 month cycle. Six months prior to the expiration of an ACVC version, a field - test release of the subsequent version is made available for distribution. ACVC 1.10 was officially released in Jun 88 and will expire 30 Nov 89... Software Description: The model is written in the Ada programming language for implementation on a DEC VAX/8650 computer using the VMS Version 4.7 operating system.

Accession For	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By <i>Mag. Tape</i> ⁹ 1,000 ⁰⁰	
Distribution <i>NTIS</i>	
Availability Codes	
Dist	Available for Special
<i>A-1 21</i>	



16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in ASCII character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording mode by specifying density only. Call NTIS Computer Products, if you have any questions.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran _____ COBOL _____ Basic _____ Assembly _____ Other (Specify) Ada

Software requires;

CPR Mfr. _____ Model(s) _____ Operating system(s) _____

Minimum of _____ K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

Steven B. White 513-255-4472
11 Jul 89

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date Year: <input type="text"/> Month: <input type="text"/> Day: <input type="text"/>			02. Form Prepared By (Name and Phone) Thomas H. Stripe (513) 255-4472			03. Reel ID Number (Property Control No.) ACVC 1.11 Backup		
04. Recording Date Year: <input type="text"/> Month: <input type="text"/> Day: <input type="text"/>			05. File Identifier or Descriptive Title Ada Compiler Validation Capability (ACVC) Version 1.11 (Field-Test Release)					
06. Short Title (External Label Name) ACVC11			07. Source Unavailable Year: <input type="text"/> Month: <input type="text"/> Day: <input type="text"/>			08. Documentation Yes <input type="checkbox"/> No <input type="checkbox"/> Available <input type="checkbox"/> (Enter Citation)		
09. File Position on Reel _____ of _____			10. To Be Returned Yes <input type="checkbox"/> No <input type="checkbox"/> To Other Than The Sender <input checked="" type="checkbox"/>			11. Submitting Organization & Address ASD/SCEL ACVC Maintenance Organization Bldg 676 Wright-Patterson AFB, Ohio 45433-6503		
12. Receiving Organization & Address U.S. Department of Commerce National Technical Information Service 5285 Port Royal Road Springfield, VA 22161			13. Due Back Date Year: <input type="text"/> Month: <input type="text"/> Day: <input type="text"/>			14. Technical Contact(s) & Phone Number(s) Steven P. Wilson (513) 255-4472		

RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit Digital Equipment Corp VAX 8650		17. No. of Tracks 7 <input type="checkbox"/> 9 <input type="checkbox"/> Other <input type="checkbox"/>		18. Parity Odd <input type="checkbox"/> Even <input type="checkbox"/>		19. Density (BPI) 1600
	16. Tape Subsystem DEC TU81E/AA		X		X		
RECORDING SOFTWARE	20. Operating System, Release & Version VAX/VMS Version 4.7		22. Internal File Identifier ACVC11.BCK				
	21. Utility Program or Data Base Language Backup						
23. Characters Set (Graphics) <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> BCD <input type="checkbox"/> Other (Specify) <input type="checkbox"/> EBCDIC <input type="checkbox"/> FIELDATA <input type="checkbox"/> Non-Print Codes			24. Recorded Label (Internal Label) <input type="checkbox"/> Header <input type="checkbox"/> ANSI X 3.27 Standard <input type="checkbox"/> Other <input type="checkbox"/> Trailer <input type="checkbox"/> FIPS Standard <input checked="" type="checkbox"/> None				

FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical 2486	27. Record Type <input type="checkbox"/> Fixed Length <input checked="" type="checkbox"/> Other Than Fixed	28. Records/Block (Blocking Factor) N/A	29. TYPE OF FILE ORGANIZATION (Check One Box) <input checked="" type="checkbox"/> One File One Reel <input type="checkbox"/> One File Multiple Reels <input type="checkbox"/> Multiple Files One Reel <input type="checkbox"/> Multiple Files Multiple Reels
	26. Logical 1			
RECORD LENGTH	30. Physical <input checked="" type="checkbox"/> Bytes <input type="checkbox"/> Chars. <input type="checkbox"/> Words (Bits/Word)			
	31. Logical <input type="checkbox"/> Bytes <input checked="" type="checkbox"/> Chars. <input type="checkbox"/> Words (Bits/Word)			

SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes)	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	The ACVC is unclassified U.S. Software Technology. It should be distributed to domestic and foreign requesters according to U.S. Department of Commerce Regulations.
33. For Submitting Organization Use	

06/21/89

ACVC 1.11 Tape Information
(Field-Test Release)

VMS Backup Format

1 INTRODUCTION

The Ada Compiler Validation Capability, Version 1.11, was written in VAX/VMS BACKUP format on one tape volume. One of the files in the save set is ACVC11.LST, which contains the name of all of the remaining files in the ACVC.

2 TAPE FORMAT

The tape was written using the VMS BACKUP utility. The following VMS command can be used to read this tape:

```
$ BACKUP/LOG=test_list_file.LOG MTA0:ACVC11.BCK/SAVE [test_directory...]*.*;
```

Note: MTA0: is the logical name for a tape drive.

3 TEST MODIFICATIONS

The Ada tests will be periodically updated and corrected. Their correctness is not guaranteed either by the ACVC Maintenance Organization (AMO) or by its contractor. Please report errors in writing to

Mr. Steven P. Wilson
ACVC Maintenance Organization
ASD/SCEL
Wright-Patterson AFB, OH 45433-6503

You will receive notification of changes to this version on a periodic basis. Please notify the AMO of any change of address.

4 IMPORTANT INFORMATION

The field-test release of ACVC Version 1.11 includes some required (".ADA") tests that were included in version 1.10 as ".DEP" tests. The file READ.ME on the tape discusses significant changes from ACVC 1.10 to ACVC 1.11. A hard copy of this file is included with this notice, under the title "Overview: Field-Test Release of ACVC Version 1.11."